Author Index of Volume 47

Adriaensens, P., 111, 239
Asaji, T., 303

Bässler, H., 77
Baumgarten, M., 21
Belmore, K. A., 141
Beye, N., 87
Bierwisch, J., 87
Binh, N. T., 77
Bohnen, A., 37
Bo Qiu, 1
Brumlik, C. J., 351

Casalbore-Miceli, G., 133
Cava, M. P., 141
Ceccorulli, G., 133

Dmitrenko, V., 187
Duyuan Yu, 1

Fanghänel, E., 87
Fleming, R. J., 167
Förner, W., 309
Franco, D., 111, 239

Gailberger, M., 77
Geise, H. J., 95, 105, 111, 239
Gelan, J., 111, 239, 367
Giro, G., 133
Gregory, R. V., 267

Hapiot, P., 329
Hoogmartens, I., 367
Hsun-Tsing Lee, 233

Iida, M., 303
Ikeda, R., 303
Inoue, M., 303
Inoue, M. B., 303

Jobst, K., 279, 287, 297

Kankare, J., 217
Karabunarliev, S., 21
Kertesz, M., 179
Khidekel', M., 187
Kimura, O., 151
Koch, K.-H., 21
Krinichnyi, V., 187

Ladik, J., 309
Lakshmikantham, M. V., 141
Le Deit, H., 373
Lei, J., 351
Leiling Yang, 1
Liang, W., 351
Lubentsov, B., 187
Lukkari, J., 217

Martens, H., 111, 239, 367
Martin, C. R., 351
Mehbod, M., 111
Moser, P., 9
Müllen, K., 21, 37
Murray, K. S., 167
Myong-Hoon Lee, 157

Nakamura, D., 303
Nechtschein, M., 329
Nicolau, Y. F., 9
Nouwen, J., 111, 239
Nugara, P. N., 141

Odin, C., 329
Ohsawa, T., 151
Onoda, M., 151
Otto, P., 65
Ottschofski, E., 309

Paasch, G., 287, 297
Parakka, J. P., 141
Pelekh, A., 187
Pizzoli, M., 133

Qingguo Liu, 1

Räder, H. J., 37
Rault-Berthelot, J., 373
Richter, A. M., 87
Rikukawa, M., 203
Ristimäki, S., 217
Rubner, M. F., 203, 255

Saratovskikh, S., 187
Saunders, B. R., 167
Sawtschenko, L., 279, 287, 297
Scherf, U., 361
Schiavon, G., 193
Schwarzenberg, M., 279, 287, 297
Show-An Chen, 233
Simonet, J., 373
Suh Bong Rhee, 157

Timofeeva, O., 187
Tuomala, R., 217
Tyutyulkov, N., 21
Tzou, K., 267

Vanderzande, D., 111, 239, 367

Wang, Y., 255
Weihua Qiu, 1
Wenhuan Liang, 1
Wuckel, L., 279

Yang, Z., 95, 105, 111, 239
Yongku Kang, 157
Yoshino, K., 151

Záliš, S., 179
Zotti, G., 193

Subject Index of Volume 47

3-Aminocarbazole
oxidation of, and its *N*-ethyl derivative, 141
Aniline
kinetic study of chemical polymerization of, in aqueous solutions, 267
Anodic coupling
nature of conducting materials by, of pyrene, 193
Anodic oxidation
of bis(9,9-β-cyanoethyl)fluorene; efficient way for synthesizing new functionalizable conducting polymer, 373
Aromatic groups
modification of poly(*para*-phenylene vinylene) by introduction of, on olefinic carbons, 111
Aromatic hydrocarbons
band structure of quasi-one-dimensional polycondensed; poly(periacene)s, 21

Band structure
of quasi-one-dimensional polycondensed aromatic hydrocarbons; poly(periacene)s, 21
Battery
ambient-temperature polymer electrolyte secondary Li/V_6O_{13}, 1
Benzenehexathiolate derivatives
organic electronic conductors and precursors; novel dithiolene–Ni complexes based on, 87
Bis(9,9-β-cyanoethyl)fluorene
anodic oxidation of; efficient way for synthesizing new functionalizable conducting polymer, 373

Charge carrier generation
photoconduction in poly(3-alkylthiophene), 77
Charge–discharge process
kinetics of, in conducting polymers; slow relaxation and hysteresis effects; investigations on polyaniline by millimetric and ultramicroelectrodes, 329
Charging mechanisms
of extended π-systems; cyclovoltammetric approach to classification of redox polymers and conducting polymers, 37
Chemical polymerization
kinetic study of, of aniline in aqueous solutions, 267
Chemical syntheses
of poly(isothianaphthene), novel, 367
Conducting materials
nature of, by anodic coupling of pyrene, 193
Conducting polymers
charging mechanisms of extended π-systems; cyclovoltammetric approach to classification of redox polymers and, 37
Conductive properties
thermal stability of poly(thionaphtheneindole); temperature effect on doping and, 133
Conductivity
stability of acid-doped polyanilines, 255
water content influence on polyaniline crystal structure and, 187
Crystal structure
water content influence on polyaniline, and conductivity, 187

Dithiolene
organic electronic conductors and precursors; novel dithiolene–Ni complexes based on benzenehexathiolate derivatives, 87
Doping
FT-IR investigation of influence of, on molecular organization of Langmuir–Blodgett thin films containing poly(3-hexylthiophene), 203
thermal stability of poly(thionaphtheneindole); temperature effect on, and conductive properties, 133
Dynamic simulations
interchain coupling in *trans*-polyacetylene, 309

Electrical conductivity
of blends consisting of modified Wittig poly(*para*-phenylene vinylene), I and polystyrene, polymethyl methacrylate or polycarbonate, 105
of I-doped poly(*para*-phenylene vinylene) model compounds blended with polystyrene, 95
Electrical properties
highly porous thermally structurized polyacrylonitrile; synthesis, structure and, 279
Electrochemical charge storage devices
with electrodes of thermally structurized polyacrylonitrile; characteristics of practical use, 297
Electrochemical studies
highly porous thermally structurized polyacrylonitrile, 287
Electrodes
electrochemical charge storage device with, of thermally structurized polyacrylonitrile; characteristics of practical use, 297
Electropolymerization
in situ video recording of nucleation enhancement in, of 3-methylthiophene, 217
Energy gaps
effect of side-group substitution on, of phenylene and thienylene oligomers and polymers, 179
ESR study
on polyaniline in nonaqueous electrolyte, 151
Extended π-systems
charging mechanisms of; cyclovoltammetric approach to classification of redox polymers and conducting polymers, 37

^{19}F NMR
relaxation time T_1 and spin diffusion in polyaniline trifluoromethanesulfonate, $[(-C_6H_4NH-)\text{-}(CF_3SO_3)_{0.5}\cdot 0.5H_2O]_n$, 303
FT-IR investigation
of influence of doping on molecular organization of Langmuir–Blodgett thin films containing poly(3-hexylthiophene), 203

Hysteresis effects
kinetics of charge–discharge process in conducting polymers; slow relaxation and; investigations on polyaniline by millimetric and ultramicroelectrodes, 329

Iodine
electrical conductivity of I-doped poly(*para*-phenylene vinylene) model compounds blended with polystyrene, 95
preparation and electrical conductivity of blends consisting of modified Wittig poly(*para*-phenylene vinylene), I and polystyrene, polymethyl methacrylate or polycarbonate, 105
Interchain coupling
in *trans*-polyacetylene; dynamic simulations, 309

Kinetics
of charge–discharge process in conducting polymers; slow relaxation and hysteresis effects; investigations on polyaniline by millimetric and ultramicroelectrodes, 329
Kinetic study
of chemical polymerization of aniline in aqueous solutions, 267

Langmuir–Blodgett thin films
FT-IR investigation of influence of doping on molecular organization of, containing poly(3-hexylthiophene), 203
Lithium
ambient-temperature polymer electrolyte secondary Li/V_6O_{13} battery, 1

Metal/conductive polymer
Schottky barriers, new interfacial polymerization method for forming, 351
Metallophthalocyanine anions
physical properties of polypyrrole films containing sulfonated, 167
1-Methyl-2-pyrrolidone
polyaniline–acid dopant interaction in presence of, 233
3-Methylthiophene
in situ video recording of nucleation enhancement in electropolymerization of, 217
Miscibility
of poly(*para*-phenylene vinylene) model compounds with PMMA studied by solid-state NMR, 239

Molecular organization
FT-IR investigation of influence of doping on, of Langmuir–Blodgett thin films containing poly(3-hexylthiophene), 203

Nickel
organic electronic conductors and precursors; novel dithiolene–Ni complexes based on benzenehexathiolate derivatives, 87
NMR
miscibility of poly(*para*-phenylene vinylene) model compounds with PMMA studied by solid-state, 239
Nucleation enhancement
in situ video recording of, in electropolymerization of 3-methylthiophene, 217

Organic electronic conductors
and precursors; novel dithiolene–Ni complexes based on benzenehexathiolate derivatives, 87
Oxidation
of 3-aminocarbazole and its *N*-ethyl derivative, 141

Phenylene
effect of side-group substitution on energy gaps of phenylene and thienylene oligomers and polymers, 179
Photoconduction
in poly(3-alkylthiophene); charge carrier generation, 77
Physical properties
of polypyrrole films containing sulfonated metallophthalocyanine anions, 167
Polyacetylene
interchain coupling in *trans*-; dynamic simulations, 309
Polyacrylonitrile
highly porous thermally structurized electrochemical charge storage devices with electrodes of; characteristics of practical use, 297
electrochemical studies, 287
synthesis, structure and electrical properties, 279
Poly(3-alkylthiophene)
photoconduction in; charge carrier generation, 77

Polyaniline(s)
–acid dopant interaction in presence of 1-methyl-2-pyrrolidone, 233
conductivity stability of acid-doped, 255
ESR study on, in nonaqueous electrolyte, 151
kinetics of charge–discharge process in conducting polymers; slow relaxation and hysteresis effects; investigations on, by millimetric and ultramicroelectrodes, 329
position annihilation in, 9
water content influence on, crystal structure and conductivity, 187
Polyaniline trifluoromethane sulfonate
^{19}F NMR relaxation time T_1 and spin diffusion in, $[(-C_6H_4NH-)(CF_3SO_3)_{0.5} \cdot 5H_2O]_n$, 303
Polyarylenes
and poly(arylenevinylene)s; reductive polycondensation of sterically hindered monomer, 361
Poly(arylenevinylene)s
polyarylenes and; reductive polycondensation of sterically hindered monomer, 361
Poly(bis(pyrrylene)vinylene)
theoretical investigations on, and poly(bis(thienylene)vinylene) and chemically related polymers, 65
Poly(bis(thienylene)vinylene)
theoretical investigations on poly(bis(pyrrylene)vinylene) and, and chemically related polymers, 65
Polycarbonate
preparation and electrical conductivity of blends consisting of modified Wittig poly(*para*-phenylene vinylene), I and polystyrene, polymethyl methacrylate or, 105
Poly(3-hexylthiophene)
FT-IR investigation of influence of doping on molecular organization of Langmuir–Blodgett thin films containing, 203
Poly(isothianaphthene)
novel chemical syntheses, 367
Polymer electrolyte
secondary Li/V_6O_{13} battery, ambient-temperature, 1
Polymerization method
new interfacial, for forming metal/conductive polymer Schottky barriers, 351

Poly(methyl methacrylate)
miscibility of poly(*para*-phenylene vinylene) model compounds with PMMA studied by solid-state NMR, 239
preparation and electrical conductivity of blends consisting of modified Wittig poly(*para*-phenylene vinylene), I and polystyrene, polymethyl methacrylate or polycarbonate, 105
Poly(periacene)s
band structure of quasi-one-dimensional polycondensed aromatic hydrocarbons, 21
Poly(*para*-phenylene vinylene)
electrical conductivity of I-doped, model compounds blended with polystyrene, 95
model compounds with PMMA, miscibility of, studied by solid-state NMR, 239
modification of, by introduction of aromatic groups on olefinic carbons, 111
preparation and electrical conductivity of blends consisting of modified Wittig, I and polystyrene, polymethyl methacrylate or polycarbonate, 105
Polypyrrole
physical properties of polypyrrole films containing sulfonated metallophthalocyanine anions, 167
preparation and properties of polypyrrole/poly(tetrahydrofuran) composites, 157
Polystyrene
electrical conductivity of I-doped poly(*para*-phenylene vinylene) model compounds blended with, 95
preparation and electrical conductivity of blends consisting of modified Wittig poly(*para*-phenylene vinylene), I and polystyrene, polymethyl methacrylate or polycarbonate, 105
Poly(tetrahydrofuran)
preparation and properties of polypyrrole/poly(tetrahydrofuran) composites, 157
Poly(thionaphtheneindole)
thermal stability of; temperature effect on doping and conductive properties, 133
Positron annihilation
in polyaniline, 9
Pyrene
nature of conducting materials by anodic coupling of, 193

Redox polymers
charging mechanisms of extended π-systems; cyclovoltammetric approach to classification of, and conducting polymers, 37
Reductive polycondensation
of sterically hindered monomer; polyarylenes and poly(arylenevinylene)s, 361
Relaxation time
^{19}F NMR, T_1 and spin diffusion in polyaniline trifluoromethanesulfonate, $[(-C_6H_4NH-)(CF_3SO_3)_{0.5} \cdot 0.5H_2O]_n$, 303

Schottky barriers
new interfacial polymerization method for forming metal/conductive polymer, 351
Side-group substitution
effect of, on energy gaps of phenylene and thienylene oligomers and polymers, 179
Spin diffusion
^{19}F NMR relaxation time T_1 and, in polyaniline trifluoromethanesulfonate, $[(-C_6H_4NH-)(CF_3SO_3)_{0.5} \cdot 0.5H_2O]_n$, 303
Structure
highly porous thermally structurized polyacrylonitrile; synthesis and, 279
Sulfur
physical properties of polypyrrole films containing sulfonated metallophthalocyanine anions, 167
Synthesis
highly porous thermally structurized polyacrylonitrile, 279

Temperature effect
thermal stability of poly(thionaphtheneindole); on doping and conductive properties, 133
Theoretical investigations
on poly(bis(pyrrylene)vinylene) and poly(bis(thienylene)vinylene) and chemically related polymers, 65
Thermal stability
of poly(thionaphtheneindole); temperature effect on doping and conductive properties, 133

Thienylene
effect of side-group substitution on energy gaps of phenylene and thienylene oligomers and polymers, 179

Vanadium
ambient-temperature polymer electrolyte secondary Li/V_6O_{13} battery, 1

Video recording
of nucleation enhancement in electropolymerization of 3-methylthiophene, *in situ*, 217

Water content
influence on polyaniline crystal structure and conductivity, 187